

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13484961
Catalog # : E00218XP3WAX100LF3-W

Area classification : ZONA 1, GRUPO IIB, T4 (135 °C)

Frame	: 100L	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 2.2 kW (3 HP)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 8.46/4.90 A	Protection degree	: IP56
L. R. Amperes	: 55.0/31.9 A	Cooling method	: IC411 - TEFC
LRC	: 6.5	Mounting	: B3T
No load current	: 4.49/2.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1430 rpm	Noise level ²	: 53.0 dB(A)
Slip	: 4.67 %	Starting method	: Direct On Line
Rated torque	: 10.8 ft.lb	Approx. weight ³	: 127 lb
Locked rotor torque	: 250 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.2485 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	83.1	82.6	83.5	83.0	84.3	84.5
	81.7	81.0	82.3	83.0	84.5	85.5
Power Factor	0.35	0.32	0.59	0.55	0.73	0.69
	0.29	0.30	0.52	0.51	0.66	0.65

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

EAC
EA3C RU C-BR.AA87.B.00379/20
1Ex db IIB T4 Gb X
ООО «НАННО ЦСВЭ»
IECEX
IECEX INE 22.0044X
Ex db IIB T4 Gb

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

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